

FEB 17 2009

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 2, line 27 as follows:

Disclosure Summary of Invention

Please amend the paragraph beginning on page 3, line 13 as follows:

~~Best Mode for Carrying Out~~ Detailed Description of the Invention

Please amend the paragraph beginning on page 3, line 14 as follows:

The invention of this application has the features described above. Embodiment Embodiments thereof are hereinafter described.

Please amend the paragraph beginning on page 8, line 1 as follows:

Fig. 3 is a schematic diagram showing one example of the configuration of the sample-sorting portion of a cell analysis and sorting apparatus of this invention. A fluid containing a sample flows into a sample-separating portion through a channel 302. A fluid containing no sample flows into the sample-separating portion through other channels 301 and 303. Ultrasonic sources 321 and 322 are used to exert an external force on a sample 311 ultrasonically within the sample-separating portion by applying ultrasonic waves to the sample-separating portion where the three channels meet. Streams of fluid introduced from the channels 301, 302, and 303 are so adjusted that the fluid has no pulsation and that their fluid velocities are made coincident. Therefore, the laminar flow is maintained in the sample-separating portion. The sample 311 introduced into the sample-separating portion from the channel 302 travels to the channel 305 unless the sample undergoes an external force. Conversely, where an external force owing to the ultrasonic waves acts, the sample is discarded into the channel 304 or channel 305 306. At this time, the channel 302 for introducing the sample and the channel 305 for recovering the sample are aligned on a line along the direction of flow. The channels 301 and 303 for introducing only a pair of streams of fluid into the sample-separating portion are arranged symmetrically with respect to the axis of the aligned channels. Similarly, the pair of channels 304 and 306 for discarding unwanted samples are arranged axisymmetrically with respect to the channel 305. At

least the channels 301 and 303 show the same cross-sectional area with respect to the flow. Also, the channels 304 and 306 show the same cross-sectional area with respect to the flow.